Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_

**Pre-AP Biology: Unit 2, DBA #3 Review**

Ms. OK, 2014-2015

**Objectives Assessed:** Topic 3 (Macromolecules), Learning Target H-L

***Practice Questions:*** *Answer the following questions thoroughly and accurately in preparation for your Daily Biology Assessment.*

1. Explain the difference between a monomer and a polymer.

2. Explain the differences between dehydration synthesis and hydrolysis?

3. What are the monomers for a fat molecule, and how many of each type of monomer are found in each fat molecule?

4. What is the monomer for a protein?

5. What is the monomer for a carbohydrate?

6. What is the monomer for a nucleic acid?

7. What element is found in all organic molecules?

8. How do you know that glucose (chemical formula : C6H12O6) is a sugar molecule from its chemical formula alone?

9. What are the “parts” of a nucleotide?

10. What macromolecule—carbohydrate, lipid, protein, or nucleic acid—is associated with the term “saccharide.”

11. List three examples of polysaccharides and their functions.